

L Number	Hits	Search Text	DB	Time stamp
1	138	((phosphonomethyl)glycine) and (space adj velocity)	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
2	1294	backmix\$	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
3	58452	(phosphonomethyl)glycine	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
4	19330	space adj velocity	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
5	2030	(phosphonomethyl)imidoacetic	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
6	11511	psia	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
7	2007	((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic)	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
8	1	psia and (((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic))	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
9	0	(((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic)) and backmix\$	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
10	58636	mother	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
11	3314	((phosphonomethyl)glycine) and mother	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
12	22578	mother adj liquor	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
13	1788	((phosphonomethyl)glycine) and (mother adj liquor)	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
14	0	((phosphonomethyl)glycine) and (backmix\$ and (mother adj liquor))	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
15	504687	evap\$	USPAT; EPO; JPO; DERWENT	2003/05/15 06:57
16	59744	decant\$	USPAT; EPO; JPO; DERWENT	2003/05/15 06:57
17	28613	evap\$ and decant\$	USPAT; EPO; JPO; DERWENT	2003/05/15 09:02
18	0	((phosphonomethyl)glycine) and (backmix\$ and (evap\$ and decant\$))	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
19	5312	(phosphonomethyl)iminodiacetic	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
20	3004	((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
21	0	backmix\$ and (((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic))	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
22	1440	ejector adj nozzle	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
23	0	(((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic)) and (ejector adj nozzle)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03

24	0	"back-mxed"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
25	0	backmix\$ and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
26	317	"back-mixed"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
27	992	"back-mixing"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
28	1236	"back-mixed" or "back-mixing"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
29	19330	space adj velocity	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
30	1480	loop adj reactor	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
31	0	backmix\$ and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
32	0	09612705.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
33	17247	adiabatic	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
34	36	((phosphonomethyl)glycine) and adiabatic	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
35	57831	glycine	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
36	0	(space adj velocity) and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
37	0	(adiabatic adj crystallization) and glycine	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
38	1352	multiple adj effect	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
39	912	catalyst adj recycle	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
40	255191	particle adj size	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
41	5825	((phosphonomethyl)glycine) and (particle adj size)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
42	375	catalyst adj bodies	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
43	0	((phosphonomethyl)glycine) and (catalyst adj bodies)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
44	37148	fluidized adj bed	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
45	478	((phosphonomethyl)glycine) and (fluidized adj bed)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
46	24231	fixed adj bed	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
47	0	((562/17).CCLS.) and (catalyst adj bodies)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:05

48	98221	crystallization	USPAT; EPO; JPO; DERWENT	2003/05/15 09:05
88	1263166	continuous	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
89	452	((phosphonomethyl)glycine) same continuous	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
90	28034	mother adj liquor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
92	3860	glyphosate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
93	617	continuous and glyphosate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
49	1	((phosphonomethyl)glycine) and (space adj velocity) and ((phosphonomethyl)imidoacetic)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:16
50	180	(562/17).CCLS.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
51	20	((562/17).CCLS.) and mother	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
52	27	((phosphonomethyl)glycine) near5 (mother adj liquor)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
53	16	backmix\$ and (mother adj liquor)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
54	32	backmix\$ and (evap\$ and decant\$)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
55	3	"06087803"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
56	2	((phosphonomethyl)glycine) and backmix\$	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
57	13	(space adj velocity) and ((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
58	14	((phosphonomethyl)glycine) and (ejector adj nozzle)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
59	1	(ejector adj nozzle) and (loop adj reactor)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
60	25	((phosphonomethyl)glycine) near5 (mother adj liquor) ) not ((562/17).CCLS.) and mother	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
61	6	((phosphonomethyl)glycine) and (loop adj reactor)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
62	2	6232494.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
63	1	6232494.URPN.	USPAT	2003/05/15 09:17
64	2	("back-mixed" or "back-mixing") and (562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
65	1	"6005140".PN.	USPAT	2003/05/15 09:17

66	15	((phosphonomethyl)iminodiacetic) and (((562/17).CCLS.) and mother )	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
67	1	"5688994".PN.	USPAT	2003/05/15 09:17
68	1	"5658839".PN.	USPAT	2003/05/15 09:17
69	1	"5627125".PN.	USPAT	2003/05/15 09:17
70	1	"5606107".PN.	USPAT	2003/05/15 09:17
71	2	6278017.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
72	2	6130351.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
73	2	6265605.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
74	6	adiabatic adj crystallization	USPAT; EPO; JPO; DERWENT	2003/05/15 09:55
75	454	(multiple adj effect) adj evaporator	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
76	2	5087740.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
77	2	6270817.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
78	2	6278017.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
79	2	6130351.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
80	2	6265605.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
81	2	((562/17).CCLS.) and (catalyst adj recycle)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
82	7	((phosphonomethyl)glycine) and (catalyst adj recycle)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
83	2	6417133.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
84	29	(catalyst adj bodies) and (fluidized adj bed)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
85	74	((phosphonomethyl)glycine) and (fluidized adj bed) and (fixed adj bed)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
86	4	((562/17).CCLS.) and (fluidized adj bed)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
87	2	3950402.pn.	USPAT; US-PPGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
91	13	((phosphonomethyl)glycine) same continuous) and (mother adj liquor)	USPAT; US-PPGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
94	44	continuous same glyphosate	USPAT; US-PPGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
95	2	6232494.pn.	USPAT; US-PPGPUB; EPO; JPO; DERWENT	2003/05/15 09:17

96	2	6130351.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
97	1	9640592.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
98	1	0160830.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
99	17275	evaporative	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:55
100	198	evaporative adj crystallization	USPAT; EPO; JPO; DERWENT	2003/05/15 09:56
101	5	((phosphonomethyl)glycine) and (evaporative adj crystallization)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:58
102	236	((phosphonomethyl)glycine) and evaporative	USPAT; EPO; JPO; DERWENT	2003/05/15 09:59
103	1	((phosphonomethyl)glycine) and evaporative and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 12:09
104	912	catalyst adj recycle	USPAT; EPO; JPO; DERWENT	2003/05/15 12:10

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	138	((phosphonomethyl)glycine ) and (space adj velocity)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
2	BRS	L2	1294	backmix\$	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
3	BRS	L3	58452	(phosphonomethyl)glycine	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
4	BRS	L4	19330	space adj velocity	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
5	BRS	L5	2030	(phosphonomethyl)imidoacetic	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
6	BRS	L6	11511	psia	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
7	BRS	L7	2007	((phosphonomethyl)glycine ) and ((phosphonomethyl)imidoacetic)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
8	BRS	L8	1	psia and ((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic))	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
9	BRS	L9	0	((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic)) and backmix\$	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
10	BRS	L10	58636	mother	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		

	Errors
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
11	BRS	L11	3314	((phosphonomethyl)glycine ) and mother	USPAT ; EPO; JPO; DERVENT	2003/05/15 06:56		
12	BRS	L12	22578	mother adj liquor	USPAT ; EPO; JPO; DERVENT	2003/05/15 06:56		
13	BRS	L13	1788	((phosphonomethyl)glycine ) and (mother adj liquor)	USPAT ; EPO; JPO; DERVENT	2003/05/15 06:56		
14	BRS	L14	0	((phosphonomethyl)glycine ) and (backmix\$ and (mother adj liquor))	USPAT ; EPO; JPO; DERVENT	2003/05/15 06:56		
15	BRS	L15	504687	evap\$	USPAT ; EPO; JPO; DERVENT	2003/05/15 06:57		Truncation overflow.
16	BRS	L16	59744	decant\$	USPAT ; EPO; JPO; DERVENT	2003/05/15 06:57		
17	BRS	L17	28613	evap\$ and decant\$	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:02		Truncation overflow.
18	BRS	L18	0	((phosphonomethyl)glycine ) and (backmix\$ and (evap\$ and decant\$))	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:03		Truncation overflow.
19	BRS	L19	5312	(phosphonomethyl)iminodiacetic	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:03		
20	BRS	L20	3004	((phosphonomethyl)glycine ) and ((phosphonomethyl)iminodiacetic)	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:03		

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11	0
12	0
13	0
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15	1
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18	1
19	0
20	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
21	BRS	L21	0	backmix\$ and ((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic))	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		
22	BRS	L22	1440	ejector adj nozzle	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		
23	BRS	L23	0	((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic)) and (ejector adj nozzle)	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		
24	BRS	L24	0	"back-mixed"	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		
25	BRS	L25	0	backmix\$ and ((562/17).CCLS.)	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		
26	BRS	L26	317	"back-mixed"	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		
27	BRS	L27	992	"back-mixing"	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		
28	BRS	L28	1236	"back-mixed" or "back-mixing"	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		
29	BRS	L29	19330	space adj velocity	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		
30	BRS	L30	1480	loop adj reactor	USPAT; EPO; JPO; DERVENT	2003/05/15 09:03		

	Err ors
21	0
22	0
23	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
31	BRS	L31	0	backmix\$ and ((562/17).CCLS.)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
32	BRS	L32	0	09612705.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
33	BRS	L33	17247	adiabatic	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
34	BRS	L34	36	((phosphonomethyl)glycine ) and adiabatic	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
35	BRS	L35	57831	glycine	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
36	BRS	L36	0	(space adj velocity) and ((562/17).CCLS.)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
37	BRS	L37	0	(adiabatic adj crystallization) and glycine	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
38	BRS	L38	1352	multiple adj effect	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
39	BRS	L39	912	catalyst adj recycle	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
40	BRS	L40	25519 1	particle adj size	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		

	Err ors
31	0
32	0
33	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
41	BRS	L41	5825	((phosphonomethyl)glycine ) and (particle adj size)	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:04		
42	BRS	L42	375	catalyst adj bodies	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:04		
43	BRS	L43	0	((phosphonomethyl)glycine ) and (catalyst adj bodies)	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:04		
44	BRS	L44	37148	fluidized adj bed	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:04		
45	BRS	L45	478	((phosphonomethyl)glycine ) and (fluidized adj bed)	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:04		
46	BRS	L46	24231	fixed adj bed	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:04		
47	BRS	L47	0	((562/17).CCLS.) and (catalyst adj bodies)	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:05		
48	BRS	L48	98221	crystallization	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:05		
49	BRS	L88	12631 66	continuous	USPAT ; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:16		

	Err ors
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
50	BRS	L89	452	((phosphonomethyl)glycine ) same continuous	USPAT ; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:16		
51	BRS	L90	28034	mother adj liquor	USPAT ; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:16		
52	BRS	L92	3860	glyphosate	USPAT ; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:16		
53	BRS	L93	617	continuous and glyphosate	USPAT ; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:16		
54	BRS	L49	1	((phosphonomethyl)glycine) and (space adj velocity) and ((phosphonomethyl)imidoacetic)	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:16		
55	IS&R	L50	180	(562/17).CCLS.	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:17		
56	BRS	L51	20	((562/17).CCLS.) and mother	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:17		
57	BRS	L52	27	((phosphonomethyl)glycine ) near5 (mother adj liquor)	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:17		
58	BRS	L53	16	backmix\$ and (mother adj liquor)	USPAT ; EPO; JPO; DERVENT	2003/05/15 09:17		

	Err ors
50	0
51	0
52	0
53	0
54	0
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56	0
57	0
58	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
59	BRS	L54	32	backmix\$ and (evap\$ and decant\$)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		Truncation overflow.
60	BRS	L55	3	"06087803"	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
61	BRS	L56	2	((phosphonomethyl)glycine ) and backmix\$	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
62	BRS	L57	13	(space adj velocity) and (((phosphonomethyl)glycine) and ((phosphonomethyl)iminodi acetic))	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
63	BRS	L58	14	((phosphonomethyl)glycine ) and (ejector adj nozzle)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
64	BRS	L59	1	(ejector adj nozzle) and (loop adj reactor)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
65	BRS	L60	25	((phosphonomethyl)glycine) near5 (mother adj liquor) ) not (((562/17).CCLS.) and mother )	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
66	BRS	L61	6	((phosphonomethyl)glycine ) and (loop adj reactor)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
67	BRS	L62	2	6232494.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
68	BRS	L63	1	6232494.URPN.	USPAT	2003/05/15 09:17		
69	BRS	L64	2	("back-mixed" or "back-mixing") and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		

	Errors
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61	0
62	0
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64	0
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69	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
70	BRS	L65	1	"6005140".PN.	USPAT	2003/05/15 09:17		
71	BRS	L66	15	((phosphonomethyl)iminodi acetic) and (((562/17).CCLS.) and mother )	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
72	BRS	L67	1	"5688994".PN.	USPAT	2003/05/15 09:17		
73	BRS	L68	1	"5658839".PN.	USPAT	2003/05/15 09:17		
74	BRS	L69	1	"5627125".PN.	USPAT	2003/05/15 09:17		
75	BRS	L70	1	"5606107".PN.	USPAT	2003/05/15 09:17		
76	BRS	L71	2	6278017.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
77	BRS	L72	2	6130351.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
78	BRS	L73	2	6265605.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
79	BRS	L74	6	adiabatic adj crystallization	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:55		
80	BRS	L75	454	(multiple adj effect) adj evaporator	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
81	BRS	L76	2	5087740.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
82	BRS	L77	2	6270817.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		

	Err ors
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0
82	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
83	BRS	L78	2	6278017.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
84	BRS	L79	2	6130351.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
85	BRS	L80	2	6265605.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
86	BRS	L81	2	((562/17).CCLS.) and (catalyst adj recycle)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
87	BRS	L82	7	((phosphonomethyl)glycine ) and (catalyst adj recycle)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
88	BRS	L83	2	6417133.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
89	BRS	L84	29	(catalyst adj bodies) and (fluidized adj bed)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
90	BRS	L85	74	((phosphonomethyl)glycine ) and (fluidized adj bed)) and (fixed adj bed)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
91	BRS	L86	4	((562/17).CCLS.) and (fluidized adj bed)	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:17		
92	BRS	L87	2	3950402.pn.	USPAT; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:17		

	Errors
83	0
84	0
85	0
86	0
87	0
88	0
89	0
90	0
91	0
92	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
93	BRS	L91	13	((phosphonomethyl)glycine) same continuous) and (mother adj liquor)	USPAT; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:17		
94	BRS	L94	44	continuous same glyphosate	USPAT; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:17		
95	BRS	L95	2	6232494.pn.	USPAT; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:17		
96	BRS	L96	2	6130351.pn.	USPAT; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:17		
97	BRS	L97	1	9640592.pn.	USPAT; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:17		
98	BRS	L98	1	0160830.pn.	USPAT; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:17		
99	BRS	L99	17275	evaporative	USPAT; US-PG PUB; EPO; JPO; DERVENT	2003/05/15 09:55		
100	BRS	L100	198	evaporative adj crystallization	USPAT; EPO; JPO; DERVENT	2003/05/15 09:56		

	Errors
93	0
94	0
95	0
96	0
97	0
98	0
99	0
100	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
101	BRS	L101	5	13 and 1100	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:58		
102	BRS	L102	236	13 and 199	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:59		
103	BRS	L103	1	1102 and 150	USPAT; EPO; JPO; DERWE NT	2003/05/15 12:09		
104	BRS	L104	912	catalyst adj recycle	USPAT; EPO; JPO; DERWE NT	2003/05/15 12:10		

	Err ors
101	0
102	0
103	0
104	0

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 Jun 03 New e-mail delivery for search results now available  
NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 7 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 11 Oct 24 BEILSTEIN adds new search fields  
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on  
STN  
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT  
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NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
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NEWS 30 Apr 11 Display formats in DGENE enhanced  
NEWS 31 Apr 14 MEDLINE Reload  
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in  
CA/CAPLUS  
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
NEWS 35 Apr 28 RDISCLOSURE now available on STN  
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names  
added to PHAR  
  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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=> file caplus  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

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FILE COVERS 1907 - 15 May 2003 VOL 138 ISS 20  
FILE LAST UPDATED: 14 May 2003 (20030514/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> glyphosate  
4486 GLYPHOSATE  
18 GLYPHOSATES  
L1 4487 GLYPHOSATE  
(GLYPHOSATE OR GLYPHOSATES)

```
=> adiabatic
      39476 ADIABATIC
      51 ADIABATICS
L2      39510 ADIABATIC
          (ADIABATIC OR ADIABATICS)
```

=> l1 and l2  
L3 1 L1 AND L2

=> d 13 ti fbib abs

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS  
TI Reaction systems for n-(phosphonomethyl)glycine production  
AN 2001:886139 CAPLUS  
DN 136:8084  
TI Reaction systems for n-(phosphonomethyl)glycine production  
IN Haupfear, Eric; Heise, Jerald; Jorgenson, Amy I.; Rogers, Michael; Chien, Henry; Casanova, Eduardo; Hooper, William B.; Wittler, Kent; Scholle, William; Arhancet, Juan  
PA Monsanto Technology, Llc, USA; et al.  
SO PCT Int. Appl., 347 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001092272	A2	20011206	WO 2001-US10826	20010522
	WO 2001092272	A3	20020516		
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			US 2000-206562PP	20000522
				US 2000-220140PP	20000721
				US 2000-230240PP	20000901
	US 2002068836	A1	20020606	US 2001-863885	20010522
				US 2000-206562PP	20000522
				US 2000-220140PP	20000721
				US 2000-230240PP	20000901
	EP 1283841	A2	20030219	EP 2001-937167	20010522
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			US 2000-206562PP	20000522
				US 2000-220140PP	20000721
				US 2000-230240PP	20000901
				WO 2001-US10826W	20010522
OS	MARPAT 136:8084				
AB	A liq.-phase oxidn. processes for making N-(phosphonomethyl)glycine (also known in the agricultural chem. industry as <b>glyphosate</b> ) and related compds, relates to processes wherein an N-(phosphonomethyl)iminodiacetic acid (NPMIDA) substrate (i.e., N-(phosphonomethyl)iminodiacetic acid, a salt of N-(phosphonomethyl)iminodiacetic acid, or an ester of N-(phosphonomethyl)iminodiacetic acid) is continuously oxidized to form an N-(phosphonomethyl)glycine product (i.e., N-(phosphonomethyl)glycine, a salt of N-(phosphonomethyl)glycine, or an ester of N-(phosphonomethyl)glycine), which, in turn, is crystd. (at least in part) in an <b>adiabatic crystallizer</b> .				

=> crystalliz?

151398 CRYSTALLIZ?  
80540 CRYSTD

80540 CRYSTD  
(CRYSTD)  
15986 CRYSTG  
202378 CRYSTN  
2209 CRYSTNS  
203635 CRYSTN  
(CRYSTN OR CRYSTNS)  
L4 334615 CRYSTALLIZ?  
(CRYSTALLIZ? OR CRYSTD OR CRYSTG OR CRYSTN)

=> d his

(FILE 'HOME' ENTERED AT 06:19:24 ON 15 MAY 2003)

FILE 'CAPLUS' ENTERED AT 06:19:31 ON 15 MAY 2003  
L1 4487 GLYPHOSATE  
L2 39510 ADIABATIC  
L3 1 L1 AND L2  
L4 334615 CRYSTALLIZ?

=> l2(1)14

L5 352 L2(L)L4

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.50	10.71
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CA SUBSCRIBER PRICE	-0.65	-0.65

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STRUCTURE FILE UPDATES: 13 MAY 2003 HIGHEST RN 514787-08-7  
DICTIONARY FILE UPDATES: 13 MAY 2003 HIGHEST RN 514787-08-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e phosphonomethylglycine/cn  
E1 1 PHOSPHONOMETHYL GLYCINAMIDE/CN  
E2 1 PHOSPHONOMETHYL-PHENYLALANINE/CN  
E3 1 --> PHOSPHONOMETHYLGlycine/CN  
E4 1 PHOSPHONOMETHYLIMINOACETIC ACID/CN

E5 1 PHOSPHONOMETHYLIMINODIACETIC ACID/CN  
E6 1 PHOSPHONOMUTASE 2 (ESCHERICHIA COLI O157:H7 STRAIN EDL933  
GE  
E7 1 NE PRPB) /CN  
ECS0 1 PHOSPHONOMUTASE 2 (ESCHERICHIA COLI STRAIN O157:H7 GENE  
385) /CN  
E8 1 PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE/CN  
E9 1 PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE  
(PHYSCOMITRELL  
E10 1 A PATENS CLONE 88\_MM13\_G11REV FRAGMENT) /CN  
(STREPTOMYCES PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE  
E11 1 HYGROSCOPICUS CLONE PBS-BAM3 SUBUNIT REDUCED) /CN  
(STREPTOMYCES PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE  
E12 1 HYGROSCOPICUS CLONE PMSB113 REDUCED) /CN  
SO PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE (SULFOLOBUS  
LFATARICUS GENE PRPB) /CN

=> e3  
L6 1 PHOSPHONOMETHYLGlycine/CN

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 1071-83-6 REGISTRY  
CN Glycine, N-(phosphonomethyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN (Carboxymethylamino)methylphosphonic acid  
CN Accord  
CN Carboxymethylaminomethanephosphinic acid  
CN Folusen  
CN Forsat  
CN Glialka  
CN Glialka 36  
CN Glyphodin A  
CN Glyphomax  
CN Glyphosate  
CN Glyphosate CT  
CN Herbatop  
CN Hockey  
CN Kickdown  
CN Lancer  
CN MON 2139  
CN MON 6000  
CN N-Phosphomethylglycine  
CN N-Phosphonomethylglycine  
CN Phorsat  
CN Phosphonomethylglycine  
CN Phosphonomethyliminoacetic acid  
CN Rebel Garden  
FS 3D CONCORD  
DR 37337-60-3, 75241-08-6, 42618-09-7  
MF C3 H8 N O5 P  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,  
CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU,

EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4396 REFERENCES IN FILE CA (1957 TO DATE)  
257 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4404 REFERENCES IN FILE CAPLUS (1957 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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	ENTRY	SESSION
COST IN U.S. DOLLARS		
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	0.00	-0.65

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FILE COVERS 1907 - 15 May 2003 VOL 138 ISS 20  
FILE LAST UPDATED: 14 May 2003 (20030514/ED)

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=> 16  
L7 4404 L6

=> d his

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NEWS 13 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 14 Nov 25 More calculated properties added to REGISTRY  
NEWS 15 Dec 04 CSA files on STN  
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
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NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC  
NEWS 20 Feb 13 CANCERLIT is no longer being updated  
NEWS 21 Feb 24 METADEX enhancements  
NEWS 22 Feb 24 PCTGEN now available on STN  
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NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in  
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NEWS 36 May 05 Pharmacokinetic information and systematic chemical names added to PHAR  
  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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=> file caplus  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

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FILE COVERS 1907 - 15 May 2003 VOL 138 ISS 20  
FILE LAST UPDATED: 14 May 2003 (20030514/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> vaporative crystal?  
2 VAPORATIVE  
1491759 CRYSTAL?  
300957 CRYST  
1796 CRYSTS  
302226 CRYST  
(CRYST OR CRYSTS)  
80540 CRYSTD  
15986 CRYSTG  
202378 CRYSTN  
2209 CRYSTNS  
203635 CRYSTN  
(CRYSTN OR CRYSTNS)  
1762414 CRYSTAL?  
(CRYSTAL? OR CRYST OR CRYSTD OR CRYSTG OR CRYSTN)  
L1 1 VAPORATIVE CRYSTAL?  
(VAPORATIVE (W) CRYSTAL?)  
  
=> evaporative crystal?  
6566 EVAPORATIVE  
1 EVAPORATIVES  
6567 EVAPORATIVE  
(EVAPORATIVE OR EVAPORATIVES)  
1491759 CRYSTAL?  
300957 CRYST  
1796 CRYSTS  
302226 CRYST  
(CRYST OR CRYSTS)  
80540 CRYSTD  
15986 CRYSTG  
202378 CRYSTN  
2209 CRYSTNS  
203635 CRYSTN  
(CRYSTN OR CRYSTNS)  
1762414 CRYSTAL?  
(CRYSTAL? OR CRYST OR CRYSTD OR CRYSTG OR CRYSTN)  
L2 218 EVAPORATIVE CRYSTAL?  
(EVAPORATIVE (W) CRYSTAL?)  
  
=> glyphosate

4486 GLYPHOSATE  
18 GLYPHOSATES  
L3 4487 GLYPHOSATE  
(GLYPHOSATE OR GLYPHOSATES)

=> l2 and l3  
L4 0 L2 AND L3

=> file reg  
COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	9.44	9.65

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STRUCTURE FILE UPDATES: 14 MAY 2003 HIGHEST RN 515808-31-8  
DICTIONARY FILE UPDATES: 14 MAY 2003 HIGHEST RN 515808-31-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e glyphosate/cn  
E1 1 GLYPHOS/CN  
E2 1 GLYPHOS, (+) - /CN  
E3 1 --> GLYPHOSATE/CN  
E4 1 GLYPHOSATE C-P LYASE/CN  
E5 1 GLYPHOSATE CT/CN  
E6 1 GLYPHOSATE DIAMMONIUM SALT/CN  
E7 1 GLYPHOSATE DIMETHYLAMINE SALT/CN  
E8 1 GLYPHOSATE ISOPROPYLAMINE/CN  
E9 1 GLYPHOSATE ISOPROPYLAMINE SALT/CN  
E10 1 GLYPHOSATE ISOPROPYLAMINE-OXYFLUORFEN MIXT./CN  
E11 1 GLYPHOSATE MONO (DIMETHYLAMINE) SALT/CN  
E12 1 GLYPHOSATE MONO (DIMETHYLAMMONIUM) SALT/CN

=> e3  
L5 1 GLYPHOSATE/CN

=> d 15

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 1071-83-6 REGISTRY  
CN Glycine, N-(phosphonomethyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN (Carboxymethylamino)methylphosphonic acid

CN Accord  
 CN Carboxymethylaminomethanephosphinic acid  
 CN Folusen  
 CN Forsat  
 CN Glialka  
 CN Glialka 36  
 CN Glyphonin A  
 CN Glyphonax  
 CN **Glyphosate**  
 CN Glyphosate CT  
 CN Herbatop  
 CN Hockey  
 CN Kickdown  
 CN Lancer  
 CN MON 2139  
 CN MON 6000  
 CN N-Phosphomethylglycine  
 CN N-Phosphonomethylglycine  
 CN Phorsat  
 CN Phosphonomethylglycine  
 CN Phosphonomethyliminoacetic acid  
 CN Rebel Garden  
 FS 3D CONCORD  
 DR 37337-60-3, 75241-08-6, 42618-09-7  
 MF C3 H8 N O5 P  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

4396 REFERENCES IN FILE CA (1957 TO DATE)  
 257 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 4404 REFERENCES IN FILE CAPLUS (1957 TO DATE)  
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus	COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST		6.30	15.95

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FILE LAST UPDATED: 14 May 2003 (20030514/ED)

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=> d his

(FILE 'HOME' ENTERED AT 10:20:53 ON 15 MAY 2003)

FILE 'CAPLUS' ENTERED AT 10:20:59 ON 15 MAY 2003  
L1 1 VAPORATIVE CRYSTAL?  
L2 218 EVAPORATIVE CRYSTAL?  
L3 4487 GLYPHOSATE  
L4 0 L2 AND L3

FILE 'REGISTRY' ENTERED AT 10:21:53 ON 15 MAY 2003  
E GLYPHOSATE/CN  
L5 1 E3

FILE 'CAPLUS' ENTERED AT 10:22:18 ON 15 MAY 2003

=> 15  
L6 4404 L5

=> 12 and 16  
L7 1 L2 AND L6

=> d 17

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:794041 CAPLUS  
DN 137:299138  
TI Removal and recovery of chloride from phosphonomethylinodiacetic acid process brine  
IN Phillips, Scott G.  
PA USA  
SO U.S. Pat. Appl. Publ., 3 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2002148786	A1	20021017	US 2001-834850	20010413
PRAI US 2001-834850		20010413		

=> evapor?

76183 EVAPOR?  
 16778 EVAP  
 2308 EVAPS  
 18967 EVAP  
 (EVAP OR EVAPS)

126104 EVAPD  
 1 EVAPDS  
 126105 EVAPD  
 (EVAPD OR EVAPDS)

27730 EVAPG  
 144486 EVAPN  
 406 EVAPNS  
 144732 EVAPN  
 (EVAPN OR EVAPNS)

L8 322628 EVAPOR?  
 (EVAPOR? OR EVAP OR EVAPD OR EVAPG OR EVAPN)

=> cryst?

L9 1763302 CRYST?

=> 18 and 19

L10 65199 L8 AND L9

=> 16 and 110

L11 3 L6 AND L10

=> d 111 1-3 ti fbib abs

L11 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS  
 TI Removal and recovery of chloride from phosphonomethylinodiacetic acid process brine  
 AN 2002:794041 CAPLUS  
 DN 137:299138  
 TI Removal and recovery of chloride from phosphonomethylinodiacetic acid process brine  
 IN Phillips, Scott G.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 3 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002148786	A1	20021017	US 2001-834850	20010413
			US 2001-834850	20010413

AB Chloride is selectively isolated as NaCl from N-phosphonomethylinodiacetic acid process wastes by evaporative crystn. of the caustic neutralized brine.

L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS  
 TI Interaction of surfactant and leaf surface in glyphosate absorption  
 AN 1993:465583 CAPLUS  
 DN 119:65583  
 TI Interaction of surfactant and leaf surface in glyphosate absorption  
 AU Knoche, Moritz; Bukovac, Martin J.  
 CS Dep. Hortic., Michigan State Univ., East Lansing, MI, 48824-1325, USA  
 SO Weed Science (1993), 41(1), 87-93  
 CODEN: WEESA6; ISSN: 0043-1745

DT Journal  
 LA English  
 AB The effect of oxyethylene (OE) chain length of three homologous series of nonionic surfactants (allinol, nonoxynol, octoxynol) on glyphosate uptake was markedly affected by the leaf surface fine-structure of sugar beet  
 and  
 kohlrabi. Adaxial leaf surfaces of sugar beet were covered with a layer of amorphous wax, whereas the adaxial surface of kohlrabi leaves was covered with fine *cryst.* wax. Foliar uptake of glyphosate (1 mM glyphosate, 20 mM glycine, pH 3.2) averaged 4% for sugar beet without surfactant, but droplets were not retained by kohlrabi leaves in the absence of a surfactant. Glyphosate absorption with octoxynol (9 to 10  
 OE units, 0.5 g L<sup>-1</sup>) was rapid initially (0 to 2 h) and leveled off about 2 h after application in both species. Absorption by sugar beet decreased from 12 to 3% as OE content of octoxynol was increased from 5 to 30 OE units. In contrast, surfactants of intermediate OE content (octoxynol, 16 OE units) induced the greatest uptake (17%) on kohlrabi. Leaf wetting was markedly affected by surfactant and leaf surface. As OE content of octoxynol increased from 5 to 30 OE units, droplet/leaf interface areas of 1-.mu.L droplets decreased from 4 to 3 mm<sup>2</sup> on their adaxial leaf surface of sugar beet and from 61 to 2 mm<sup>2</sup> on kohlrabi. Concurrently, the rate of droplet *evapn.* (1 .mu.L s<sup>-1</sup>) decreased from 1.0 to 0.7 nL s<sup>-1</sup> on sugar beet and 4.2 to 0.5 nL s<sup>-1</sup> on kohlrabi leaves. The effect of OE content on enhancement of glyphosate uptake and wetting characteristics of spray solns. was similar within species for different hydrophobic moieties but differed markedly between species.

L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS  
 TI Process for the preparation of the herbicide N-(phosphonomethyl)glycine  
 AN 1988:473659 CAPLUS  
 DN 109:73659  
 TI Process for the preparation of the herbicide N-(phosphonomethyl)glycine  
 PA Lerida Union Quimica S. A., Spain  
 SO Span., 9 pp. Patent of Importation  
 CODEN: SPXXAD  
 DT Patent  
 LA Spanish  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI ES 553523	A3	19870701	ES 1986-553523	19860331
			HU 1974-2251	19740627

AB The herbicide (HO)<sub>2</sub>P(O)CH<sub>2</sub>NHCH<sub>2</sub>CO<sub>2</sub>H (I) is prep'd. from HCHO, glycine, and either di-Me or di-Et phosphite. A stirred mixt. of 15 mL 35% aq. HCHO and 55 mL 2N NaOH was treated with 7.5 g glycine, stirred 10 min, treated with 10.7 g di-Me phosphite, and kept at 100.degree. for 2 h. Cooling and neutralization gave an oil contg. (MeO)<sub>2</sub>P(O)CH<sub>2</sub>NHCH<sub>2</sub>CO<sub>2</sub>H, which was refluxed in 100 mL 6N HCl for 5 h. *Evapn.*, *crystn.* from EtOH, and recrystn. from aq. MeOH gave 60% yield of pure I.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	13.37	29.32
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-1.95	-1.95

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